



Progress in Implementing the Commercial Remote Sensing Space Policy (CRSSP)

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U.S. Department of the Interior
U.S. Geological Survey

Commercial Remote Sensing Space Policy (CRSSP)

- **The President authorized a new national policy on April 25, 2003 that established guidance and implementation actions for commercial remote sensing space capabilities. This policy supersedes Presidential Directive 23, U.S. Policy on Foreign Access to Remote Sensing Space Capabilities, dated March 9, 1994.**
 - **The fundamental goal of this policy is to advance and protect U.S. national security and foreign interests by maintaining the nation's leadership in remotes sensing space activities, and by sustaining and enhancing the U.S. remote sensing industry. Doing so will foster economic growth, contribute to environmental stewardship, and enable scientific and technological excellence**
 - **In support of this goal, the U.S. Government will:**
 - **Rely to the maximum practical extent on U.S. commercial remote sensing space capabilities for filling imagery and geospatial needs for military, intelligence, foreign policy, homeland security, and civil users.**
 - **Focus U.S. Government remote sensing space systems on meeting needs that can not be effectively, affordably, and reliably satisfied by commercial providers because of economic factors, civil mission needs, national security concerns, or foreign policy concerns.**
 - **Develop a long-term, sustainable relationship between the U.S. Government and the U.S. commercial remote sensing space industry.**
 - **Provide a timely and responsive regulatory environment for licensing the operations and exports of commercial remote sensing space systems.**
 - **Enable U.S. industry to compete successfully as a provider of remote sensing space capabilities for foreign government and foreign commercial users, while ensuring appropriate measures are implemented to protect national security and foreign policy.**
-

USGS support of the Commercial Remote Sensing Space Policy (CRSSP)

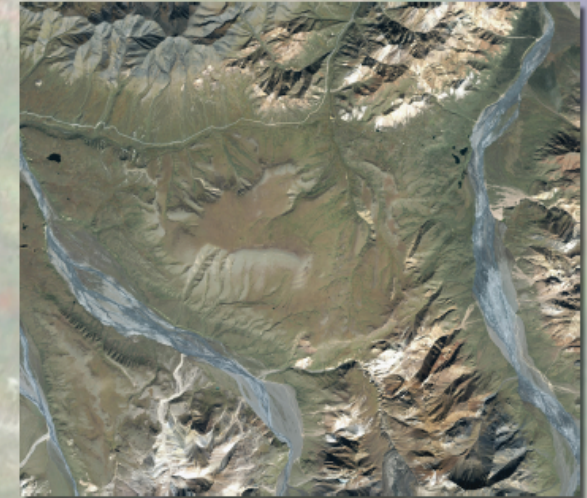
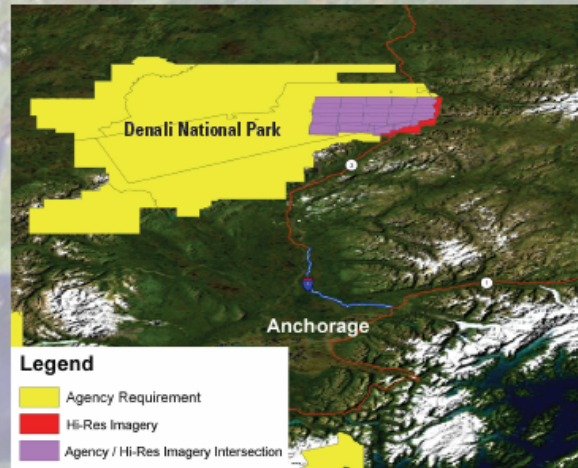
- **The U.S. Geological Survey (USGS) is a lead U.S. Federal civil agency in the implementation of the civil aspects of the Commercial Remote Sensing Space Policy (CRSSP).**
 - **The USGS supports the policy and other Federal agencies by:**
 - 1. Collecting near-term land remote sensing data requirements;**
 - Providing query and report capabilities to help agencies leverage resources in areas of common interest;
 - Providing documented evidence for potential remote sensing funding initiatives;
 - Satisfying user requirements with existing data sources where possible;
 - Providing the commercial satellite and aerial industry with a snapshot of civil agency needs, allowing industry an opportunity to respond with accurate and specific data and services.
 - 2. Developing an infrastructure to store, manage and distribute commercial remote sensing data that has been acquired by and can be shared with other Federal agencies.**
 - 3. Providing an interface for acquiring commercial remote sensing data from commercial satellite and aerial vendors.**
-

Implementing the Commercial Remote Sensing Space Policy (CRSSP)

Helping Federal Users Get the Imagery They Need

Federal users are informed of how to obtain existing data and/or potential partnerships.

If imagery does not exist, users can procure the data from commercial vendors through contracts such as the USGS Commercial Remote Sensing Data Contracts.



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Federal users needing aerial or satellite imagery enter their requirements into the web-accessed CRSSP Imagery Derived Requirements (CIDR) tool.
(<http://cidr.cr.usgs.gov>)

The requirements are then analyzed by USGS staff. The CIDR database is used to find potential agency/interagency partnerships. USGS and NGA commercial imagery holdings (as well as commercial vendors) are searched for existing imagery that may meet the users' requirements.

If new imagery is acquired, users are encouraged to share the imagery with other federal agencies by providing a copy to the USGS. (The USGS acts as a clearinghouse for commercial imagery.)

1) Collecting Federal civil agency near-term land remote sensing data requirements

■ CRSSP Imagery-Derived Requirements (CIDR) Tool



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CIDR (CRSSP IMAGERY-DERIVED REQUIREMENTS) COLLECTION TOOL, VERSION 2.0

Login to CIDR 2.0

Welcome to the CRSSP Imagery-Derived Requirements (CIDR) entry tool, designed to collect and provide query and report capabilities on near-term land remote sensing data requirements of U.S. Federal civil agencies. This priority effort is part of the [Commercial Remote Sensing Space Policy \(CRSSP\)](#) implementation and will assist agencies in leveraging resources in areas of common interest. The requirements information gathered and provided will be used to:

- Generate a civil agency requirements database to facilitate partnerships among and within agencies.
- Serve as documented evidence for potential funding initiatives.
- Satisfy user requirements with existing data sources where possible.
- Provide the commercial satellite and aerial industries with a snapshot of civil agency needs; allow industry to respond with accurate and specific data and services.

The CIDR tool allows Federal agencies to enter their remote sensing data requirements for upcoming years. This information will be analyzed to find intersections in data requirements and assist users with similar requirements in collaborating on potential purchases. Commercial satellite and aerial vendors may also use the CIDR tool and its information to assist in their data acquisition scheduling for known geographic areas of interest.

Staff is available to help with the data entry process. If you would like this assistance, please contact 1-800-252-4547 or crssp@usgs.gov (M-F, 8-4 central time).

What's New CIDR 2.0 Users Guide

<http://cidr.cr.usgs.gov>

CRSSP Imagery-Derived Requirements (CIDR) Tool

Entry Capabilities:

The CIDR tool allows Federal agencies to enter their remote sensing data requirements for upcoming years. This information will be analyzed to find intersections in data requirements with other agencies (helping form partnerships). Sources of existing imagery will also be looked at to find imagery that meets users requirements.

*Area of Interest (AOI): (specify one; shapefile preferred. max length of Descriptive input is 250 characters)	<u>Shapefile</u> (prefer lat/long WGS-84)
*Desired Spatial Resolution:	
*Spectrum: (use "Other" for combinations)	
*Platform Preference:	
*Other Platform Acceptable?	
*Archived Data Acceptable?	
Acceptable Archive Date(s):	
*Target Imagery Date(s): (max length of Descriptive input is 250 characters)	

Add a Requirement for Department of Interior/Geological Survey (USGS) in FY 06	
*POC Name:	User Name
*POC Phone:	000-000-0000
*POC Email:	usnemail@usgs.gov
*Department/Agency:	-Geological Survey (USGS)
* Program/Project/Requirement Name: (e.g. NAIP)	Urban Study - Las Vegas NV
Project Description: (overall objective - big picture. max length is 255 characters)	Study over an approx 25 year period of urban development and impacts on ecosystems
*Mission/Application: (use "Other" for multiple missions)	Mapping
	(Other)
*Observable(s): (specific remote sensing requirements; e.g. detect damage to roof shingles, locate mooring cells greater than 4' diameter on the inland waterways, etc. max length is 255 characters)	detect urban extent, urban land use types
*Intended Method to Obtain the Data:	Free Source

CRSSP Imagery-Derived Requirements (CIDR) Tool....Cont'd

Query Capabilities:

Choose a year and department or agency to view/modify requirements for.

Year:

Department/Agency:

Or...View details of a specific requirement.

Requirement ID:

Use coordinates from a placename.

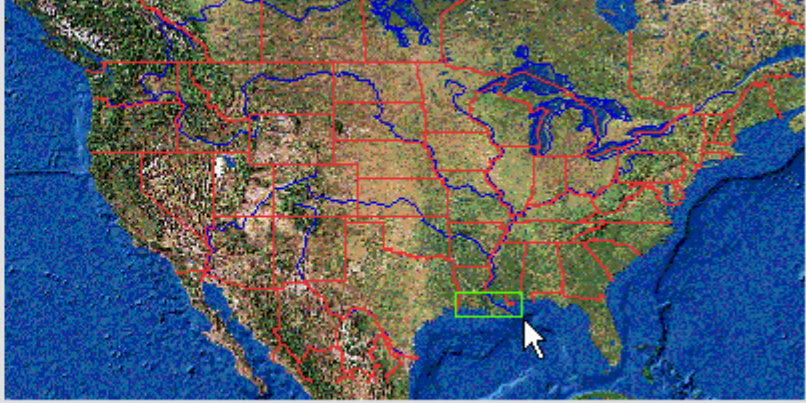
Pick names from this place names list:

☒ United States
☐ International

Or...Enter bounding coordinates.

North	West	East	South
<input type="text" value="31.005"/>	<input type="text" value="-93.9375"/>	<input type="text" value="-88.443"/>	<input type="text" value="29.115"/>

Or...Just click and drag to define bounding box on the map.



(Note: Please be patient; creating your shapefile...)

CRSSP Imagery-Derived Requirements (CIDR) ToolCont'd

Report Capabilities:

	A	B	C	D	E	F	G
1	Requirement ID	Department or Agency	Requirement Name	Project Description	Mission or Application	Observables	Intended Method Obtain Data
2	209	Department of Agriculture	June Area Survey	inventory	resource survey and inven	1 meter DOQQ	direct purchase

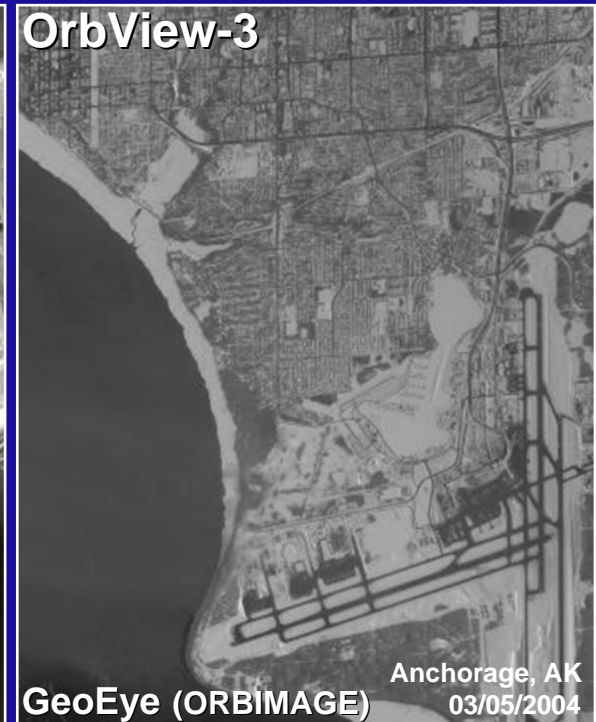
First | Previous | 1 | 2 | 3 | 4 | 5 | Next | Last
Turn off Paging (list all requirements)

Department or Agency	Requirement Name	Platform	Resolution	Funding	Funding Confidence	Date Last Modified	Data Status	Validation QC Status
National Park Service	Recovery of landscape post 1990, 1992 and 1993 fir	test	30m	Funded	100%	2005-09-06	Fulfilled	Validated
National Agricultural Statistics Service	June Area Survey	no preference	5m	Unfunded	0%	2005-05-26	<i>Unfulfilled</i>	Validated
National Oceanic & Atmospheric Administration (NOAA)	NOS/CSC	quickbird	2-4m	Funded	100%	2005-05-25	<i>Unfulfilled</i>	Validated
Fish & Wildlife Service	Habitat Assessment	ikonos	1m	Funded	100%	2005-05-16	<i>Unfulfilled</i>	Validated
Fish & Wildlife Service	all	no preference	not specified	Funded	100%	2005-05-16	<i>Unfulfilled</i>	Validated
Fish & Wildlife Service	all	aerial	not specified	Funded	100%	2005-05-16	<i>Unfulfilled</i>	Validated
Fish & Wildlife Service	all	no preference	not specified	Funded	100%	2005-05-16	<i>Unfulfilled</i>	Validated
Geological Survey (USGS)	NLCD 2001 Project	no preference	2-4m	Unfunded	0%	2005-05-16	<i>Unfulfilled</i>	Validated
Foreign Agricultural Service	Global Crop Production Intelligence Program	not specified	not specified	Funded	100%	2005-05-26	<i>Unfulfilled</i>	Validated
Foreign Agricultural Service	Farm Service Agency support for domestic farm	no preference	2-30m	Funded	100%	2005-05-26	<i>Unfulfilled</i>	Validated

Part of the Digits partnership	
g	there are scatter direct purchase
	habitat mapping direct purchase
	habitat mapping direct purchase
	habitat mapping direct purchase
	Fuel/vegetation in direct purchase
	ortho direct purchase
	ortho direct purchase
	Vegetation health direct purchase
	Vegetation health direct purchase
g	Raw imagery for direct purchase
g	Crop yield and a direct purchase
g	Crop yield and a partnership
g	Crop yield and a direct purchase
	Crop yield and a direct purchase
g	Crop type, crop : direct purchase
	Crop type, crop : direct purchase
g	Crop type, crop : direct purchase
	Crop type, crop : direct purchase
g	Reservoir/Lake H direct purchase
	Global reservoir/ partnership
	Crop type, crop : direct purchase
	Crop type, crop : direct purchase
	Crop type, crop : direct purchase
	Crop type, crop : direct purchase
	Crop type crop a direct purchase
	Crop type, crop : direct purchase
	Crop type, crop : direct purchase
	Reservoir/Lake H direct purchase
	Reservoir/Lake H partnership
	Coral/Submerge direct purchase



2) Developing an infrastructure to store, manage and distribute commercial remote sensing data.

- The USGS Commercial Data Purchases (UCDP) Imagery Collection consists of imagery from several commercial vendors and is available to Federal users (based on license).



USGS Commercial Data Purchases (UCDP) Imagery Collection – Access

Licensed commercial imagery can be downloaded or ordered on DVD from <http://earthexplorer.usgs.gov>



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National Center for Earth Resources Observation & Science (EROS)

EarthExplorer

Query and order **satellite images**, **aerial photographs**, and **cartographic products** through the U.S. Geological Survey. Log in as a [quest](#) or as a [registered user](#). Registered users have access to more features than guests do. If you plan on using EarthExplorer frequently, you may wish to register. Please note that this site uses [Session Cookies](#). All products on this site can also be ordered from [Customer Services](#).

☒ Java Script Version (works with PC, **Macintosh**, and Unix platforms: Netscape 6.0+ or IE 5.5+) [More info](#)

☐ Java Applet Version (Works with PC and Unix platforms: IE 4.0+ or Netscape 4.06+, **not 6.0+**) [More info](#)

Enter as a: [GUEST](#) Or [REGISTER](#)

Must Register as Federal User

If you are already a registered user please enter your login information here:

User Name: Password: [LOGIN](#) [RESET](#)

[Forgot your password?](#)

Just looking for a photo? Try [PhotoFinder](#) Just looking for a map? Try [USGS Store](#)

Accessibility FOIA Privacy Policies and Notices

USGS Commercial Data Purchases (UCDP) Imagery Collection – Access..... Cont'd

EarthExplorer

Data Sets Prices Shopping Basket Profile Saved Criteria Saved Results Standing Requests Track Orders Help Logout

Data Set Selection

Spatial Coverage

Define on Map Click on a coordinate before

Enter Coordinates 31 02 31 N 092 04 23 W
28 52 33 N 087 58 21 W

Enter Place Name **Review/Edit** **Delete**

Data Set Selection

- ☐ NASA Landsat Data Collection (NLDC)
- ☐ North American Landscape Characterization
- ☐ SPOT (Search Only)
- ☐ Spaceborne Imaging Radar-C (SIR-C)
- ☒ USGS Commercial Data Purchases - On Demand
- ☐ Aerial Photography

Continue

http://edcns17.cr.usgs.gov - Reference Map - Microsoft Internet Explorer

View Help

In Out Max In Max Out

Zoom to Selected Area Select Clear Selection Clear Footprints Print

☐ Point ☒ Rectangle Display Footprint Headers

Internet

USGS Commercial Data Purchases (UCDP) Imagery Collection – Access..... Cont'd


USGS Commercial Data Purchases - Orderable

24 of 24 metadata records retrieved. Showing 1-10

	Preview Image	Show Footprint	Show All Fields	Exclude	Order	Qty	FTP Link	USGS Entity ID	Acquisition Date	Image Cloud Cover	Satellite	Sensor	Event	File Format	Processing Level
1	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>		Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic		GEOTIFF	Level 2A
2	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>		Download	QB220041106164803M00	2004/11/06	0	QUICKBIRD-2	Multispectral		GEOTIFF	Level 2A

http://edcsns17.cr.usgs.gov - Reference Map

View Help



Zoom to Selected Area Select Clear Selection

☐ Display Footprint Headers

http://edcsns17.cr.usgs.gov - EarthExplorer: F...

File Edit View Favorites Tools Help

SnagIt


Full Display of Record 4

Dataset Attribute	Attribute Value
USGS Entity ID	QB220041220164039M00
Acquisition Date	2004/12/20
License ID	2
Image Cloud Cover	0
NW Corner	29°17'12"N, 89°31'35"W
NE Corner	29°17'04"N, 89°26'43"W
SW Corner	29°12'38"N, 89°31'45"W
SE Corner	29°12'31"N, 89°26'52"W
Center Coordinates	29°14'51"N, 89°29'14"W
Satellite	QUICKBIRD-2
Sensor	Multispectral
Mosaic	N
Sun Elevation	34.5
Sun Azimuth	159
Vendor	DIGITAL GLOBE
Vendor Scene ID	101001000376AD01
ITM Zone	15

earthExplorer/phtml/results/sho...

elp

SnagIt



javascript:zoommax()

Internet

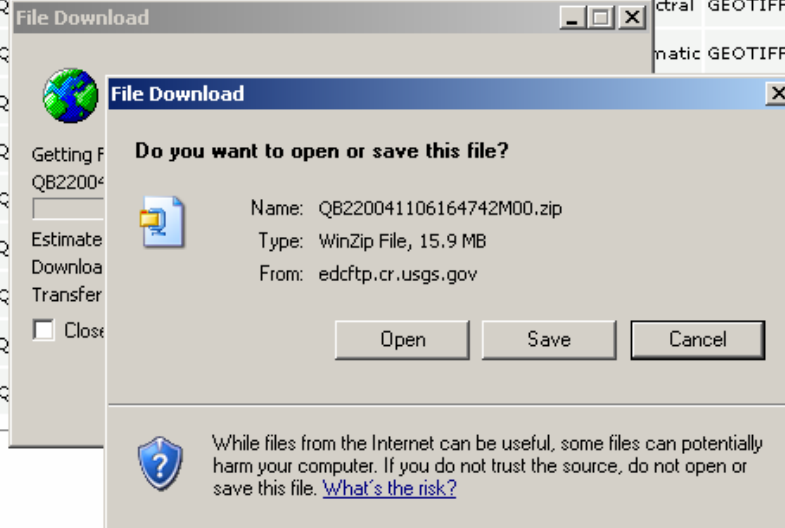
Internet

USGS Commercial Data Purchases (UCDP) Imagery Collection – Access..... Cont'd

USGS Commercial Data Purchases - Orderable

24 of 24 metadata records retrieved. Showing 1-10

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1	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°04'42"N,90°28'35"W
2	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°04'42"N,90°28'35"W
3	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°14'51"N,89°29'14"W
4	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°14'51"N,89°29'14"W
5	Show	Hide	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°19'01"N,89°37'34"W
6	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°19'01"N,89°37'34"W
7	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°19'16"N,89°46'30"W
8	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°19'16"N,89°46'30"W
9	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°16'35"N,89°55'08"W
10	Show	Show	Show	<input type="checkbox"/>	<input type="checkbox"/>	Download	QB220041106164802P00	2004/11/06	0	QUICKBIRD-2	Panchromatic	GEOTIFF	Level 2A	29°16'35"N,89°55'08"W



[Redefine Criteria](#)

[Result Summary](#)



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- [Add All Retrieved Items to Shopping Basket](#)
- [View Shopping Basket](#)

- [Hide Excluded Records](#)
- [Restore All Excluded Records](#)
- [Change Columns and Sort Order of Results](#)
- [Show All Records](#)

3) Providing an interface for acquiring commercial remote sensing data from commercial vendors.

- **USGS Commercial Remote Sensing Data Contracts (CRSDC) provides federal, state, and local government agencies access to a broad range of commercially available remotely sensed, high resolution, airborne, and satellite data for both new acquisitions and existing "off-the-shelf" data. This data includes orthorectified, panchromatic, natural color, multispectral, infrared, radar, and aerial photography.**
 - **The USGS has negotiated advantageous terms on behalf of purchasing organizations, including highly competitive pricing, discounts, and the most flexible and least restrictive licensing arrangements offered to date by the commercial satellite and aerial industry.**
 - **These contracts directly support the CRSSP by providing a centralized mechanism for civil agencies to acquire commercial remote sensing products from various commercial vendors.**
-

For More Information

USGS Commercial Remote Sensing Space Policy (CRSSP) Home Page

<http://crssp.usgs.gov>

CRSSP Imagery-Derived Requirements (CIDR) Tool

<http://cidr.cr.usgs.gov>

USGS Commercial Data Purchases (UCDP) Imagery Collection

<http://edc.usgs.gov/products/satellite/ucdp.html>

USGS Commercial Remote Sensing Data Contracts (CRSDC)

<http://geodatacontracts.er.usgs.gov/crsdc/index.html>



Customer Service

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QUESTIONS